

Message Text

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TAGS: SENV, NATO

SUBJ: CCMS: US PROPOSED ENERGY PROJECTS - SOLAR ENERGY;
GEOTHERMAL ENERGY; ENERGY CONSERVATION

REF: A. OTTAWA 0871 B. OTTAWA 881

1. AS POSTS ARE AWARE FROM REFTELS, CEQ CHAIRMAN RUSSELL
E. TRAIN PROPOSED AT OTTAWA CCMS PLENARY APRIL 10, THAT CCMS
UNDERTAKE PROGRAMS IN SOLAR AND GEOTHERMAL ENERGY. TRAIN
STRESSED URGENT WORLD PROBLEM OF MATCHING ENERGY SUPPLY TO
DEMAND, LIMITED AVAILABILITY FOSSIL FUELS AND NECESSITY TO
DEVELOP ALTERNATIVE NON- POLLUTING SOURCES OF ENERGY AS WELL
AS IMPROVE EFFICIENCY WITH WHICH ENERGY IS USED. AS NOTED
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REFTELS, PROPOSAL LAS WELL RECEIVED.

2. SPECIFIC APPLICATIONS OF BOTH SOLAR AND GEOTHERMAL ENERGY
RESOURCES HOLD PROMISE OF ECONOMIC FEASIBILITY AND SHOULD
BE LESS ENVIRONMENTALLY DAMAGING THAN MOST PRESENT FORMS OF

ENERGY SUPPLY. SOLAR ENERGY IS PARTICULARLY ATTRACTIVE IN THAT IT IS RENEWABLE AND IS AVAILABLE AT SUFFICIENT INTENSITY IN MANY AREAS OF THE WORLD. FURTHER, PROPER BUILDING DESIGN CAN SIGNIFICANTLY INCREASE THE EFFICIENT USE OF SOLAR ENERGY AND DECREASE THE DEMAND FOR SUPPLEMENTAL FUELS. GEOTHERMAL RESOURCES EXPLOITABLE WITH PRESENT TECHNOLOGY, ALTHOUGH MORE LOCALIZED, ARE FOUND IN MANY PARTS OF THE WORLD. THESE RESOURCES CAN BE USED FOR HEATING AND COOLING BUILDINGS AS WELL AS FOR GENERATION OF ELECTRICITY. FURTHER, IF TAPPING HEAT FROM THE DRY HOT ROCK UNDERLYING MUCH OF THE EARTH PROVES FEASIBLE TECHNICALLY AND ECONOMICALLY, IT HAS POTENTIAL FOR MAKING A SIGNIFICANT CONTRIBUTION TO MEETING THE WORLD'S FUTURE ENERGY NEEDS IN MANY GEOGRAPHIC REGIONS. PROJECTS IN GEOTHERMAL AND SOLAR ENERGY MAY LEAD TO THE DESIGN AND CONSTRUCTION OF SYSTEMS WHICH CAN MAKE MORE EFFECTIVE USE OF THE EARTH'S RESOURCES WITH LESS DAMAGE TO THE ENVIRONMENT.

3. U. S. ENERGY PROPOSAL SHOULD IN ADDITION BE VIEWED IN BROADER PERSPECTIVE OF IMPROVING ENERGY RESOURCE UTILIZATION AND CONSERVATION. THE SOLAR AND GEOTHERMAL ENERGY PROJECTS SHOULD BE CONSIDERED IN THE CONTEXT OF MEETING THESE BROADER OBJECTIVES. AS CHAIRMAN TRAIN NOTED IN OTTAWA PRESENTATION, SPECIFICS OF U. S. PROPOSAL WERE TENTATIVE SUGGESTIONS AND SUBJECT TO VIEWS OF ALLIES. THERE ARE ALSO OTHER AREAS IN WHICH COOPERATIVE PROJECTS CONDUCTED UNDER CMMS COULD HELP TO MATCH ENERGY SUPPLY WITH ENERGY DEMAND WHILE MINIMIZING ENVIRONMENTAL DEGRADATION. SUCH PROJECTS COULD INCLUDE TECHNOLOGICALLY ORIENTED EFFORTS SUCH AS DESIGN AND DEMONSTRATION OF HOUSEHOLD APPLIANCES, HEATING AND COOLING SYSTEMS FOR BUILDINGS, AND INDUSTRIAL PROCESSES WHICH USE ENERGY MORE EFFICIENTLY, AS WELL AS INSTITUTIONALLY ORIENTED EFFORTS SUCH AS DEVELOPMENT OF MANUFACTURING AND CONSTRUCTION CODES TO REQUIRE DESIGNS WHICH INCORPORATE ENERGY SAVING FEATURES.

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4. SOLAR ENERGY:

A. BEARING ABOVE IN MIND, REQUEST EMBASSIES APPROACH HOST GOVERNMENTS TO REQUEST THEM, IF INTERESTED, TO DESIGNATE REPRESENTATIVES FOR AN ORGANIZATIONAL MEETING OF A WORKING GROUP ON SOLAR ENERGY TO BE CONVENED IN PARIS, JULY 6, 1973, IMMEDIATELY FOLLOWING INTERNATIONAL SOLAR ENERGY SOCIETY (ISES) MEETING (WHICH BEING HELD AT UNESCO FACILITIES). UNDOUBTEDLY, SOME OF THE SCIENTIFIC EXPERTS PLANNING TO ATTEND ISES MEETING CAN REPRESENT THEIR COUNTRIES IN WORKING GROUP. THE UNITED STATES WILL BE REPRESENTED BY THE DEPARTMENT, THE PRESIDENT'S COUNCIL ON ENVIRONMENTAL QUALITY, THE NATIONAL SCIENCE FOUNDATION, AND EXPERTS FROM UNIVERSITIES AND INDUSTRIES. (DETAILED LIST WILL FOLLOW).

B. IN CONJUNCTION WITH ISES MEETING, A TOUR OF SOLAR ENERGY LABORATORIES IN SOUTHERN EUROPE WILL BE CONDUCTED. THIS SHOULD GIVE THE CCMS SOLAR PROJECT DELEGATES AN EXCELLENT OPPORTUNITY TO INITIATE EXCHANGE ACTIVITIES AND TO REFINE PLANS FOR JOINT PROJECTS.

C. WE WOULD HOPE THAT WORKING GROUP WILL DEVELOP PRELIMINARY PLAN FOR COOPERATIVE DEMONSTRATION PROJECTS IN SOLAR ENERGY. IT IS EXPECTED THAT INITIAL COOPERATION WILL FOCUS ON APPLICATION OF SOLAR ENERGY IN HEATING AND COOLING OF RESIDENTIAL AND COMMERCIAL BUILDINGS. IT IS OUR VIEW THAT WORKING GROUP SHOULD IDENTIFY EXISTING AND NEW PROGRAMS IN THE INTERESTED COUNTRIES WHICH CAN PARTICIPATE IN THE DEMONSTRATION PROJECTS. REPRESENTATIVES TO WORKING GROUP SHOULD BE PREPARED TO DISCUSS ALTERNATIVE PROJECTS FOR SOLAR ENERGY PILOT STUDY. IF THERE IS SUFFICIENT INTEREST IN THIS AREA OF ENDEAVOR, WE WOULD LIKE TO BE IN POSITION TO PREPARE PROJECT TO BE SUBMITTED TO CCMS FALL PLENARY FOR APPROVAL.

D. FOR PARIS: REQUEST EMBASSY INVESTIGATE ARRANGEMENTS FOR AND COST OF MEETING PLACE AND TRANSLATION FACILITIES (FRENCH/ ENGLISH) FOR SOLAR ENERGY ORGANIZATIONAL MEETING IN PARIS FRIDAY, JULY 6, FOLLOWING ISES MEETING. SUGGEST EMBASSY CHECK WITH GOF IN THIS REGARD.

U. S. WOULD HOPE TO DISCUSS CCMS PROJECT DURING ISES MEETING
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AND THEN CONVENE ONE DAY MEETING TO DRAW UP CHAIRMAN' S REPORT TO CCMS.

5. GEOTHERMAL ENERGY AND ENERGY CONSERVATION: EITHER JUST BEFORE OR AFTER SOLAR ENERGY MEETING

G, US TEAM OR TEAMS WOULD PLAN TO VISIT KEY CAPITALS WITH VIEW TO DETERMINING INTEREST IN AND DISCUSSING MODALITIES OF PROJECTS IN THESE AREAS. SEPTTEL WILL DESCRIBE TIMING OF VISITS AND COMPOSITION OF TEAM(S).

6. IN MEANTIME, REQUEST POSTS PROVIDE US WITH NAMES, TITLES AND AGENCIES OF KEY OFFICIALS DEALING WITH SOLAR AND GEOTHERMAL ENERGY AS WELL AS ENERGY CONSERVATION. WE WOULD ALSO APPRECIATE POSTS' OPINIONS AS TO WHICH COUNTRIES ARE MOST DEVELOPED IN THESE AREAS. IN THIS RESPECT, WE ARE AWARE OF FRENCH AND ITALIAN EXPERTISE IN SOLAR ENERGY AND ICELANDIC AND ITALIAN EXPERTISE IN GEOTHERMAL ENERGY. IN ENERGY CONSERVATION, WE SHALL WISH TO ENCOURAGE UK, FRANCE, FRG AND ITALY TO PARTICIPATE. IT WILL ALSO BE OUR POLICY, ONCE PROJECTS ARE ORGANIZED, TO ENCOURAGE NON- NATO PARTICIPATION BY SUCH COUNTRIES AS JAPAN, SWEDEN, SPAIN, AUSTRALIA AND NEW ZEALAND.

7. DEPT REPEATING REFTELS TO ADDRESSEES NOT ON ORIGINAL
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